



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/192,583	11/17/1998	TETSURO MOTOMIYAMA	5244-0084-2X	9978
22850	7590	07/07/2004	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			HO, CHUONG T	
		ART UNIT		PAPER NUMBER
		2664		34
DATE MAILED: 07/07/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/192,583	MOTOYAMA, TETSURO
Examiner	Art Unit	
Chuong Ho	2664	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 24 May 2004.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-53 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-53 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. _____.
- Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 32

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application (PTO-152)

6) Other: _____.

1. The amendment filed 05/24/04 have been entered and made of record.
2. Claims 1-53 is pending.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-10, 12-32, 34-46, 48, 50-51 are rejected under 35 U.S.C. 102(e) as being anticipated by Lazaridis et al. (U.S. Patent No. 6,219,694 B1).

In the claim 1, Lazaridis et al. discloses determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11); comprising:

Determining whether the message which has been received is for a device (a mobile data communication device) associated with the computer by detecting a characteristic of the e-mail, the device being a business office device (a mobile data communication device) including a processor; transmitting a communication from the computer (user's desktop system 10) to the device (a mobile data communication device), in response to the step of determining the message is for the device (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11); operating the processor of the device (a mobile data communication device) in response to the communication (once the message (A or B) is received by the mobile device 24), the outer envelope B is removed and the original message A is placed in the secondary memory store within the mobile device 24. By repacking and removing the outer envelope in this manner, the present invention causes the mobile computer 24 to

appear to be at the same physical location as the host system 10, thus creating a transparent system).

5. In the claim 2, Lazaridis et al. discloses determining whether the message which has been received is for the device or whether the message which has been received has been received has a user of the computer as an end recipient (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

6. In the claim 3, Lazaridis discloses displaying, after the receiving step, a message to the user indicating the electronic mail message contains information to be forward to the device, wherein the determining step comprises: determining by a user reading the message which has been displayed, whether the message which has been received is for the device (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at

the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

7. In the claim 4, Lazaridis et al. discloses executing a command which causes the step of transmitting to be performed (see col. 7, lines 14-15, to execute some other command at the host, such as a command to enable the preferred list mode).

8. In the claim 5, Lazaridis et al. discloses executing program code of a file which is attached to the message by a manual action by the user (see col. 7, lines 14-15).

9. In the claims 6, 29, Lazaridis et al. discloses executing the program code of the file by pointing, using a pointing device and graphical user interface, to an object representing the file (see col. 7, lines 14-15).

10. In the claims 7, 28, Lazaridis et al. discloses executing the code by pressing a button while pointing to the object representing the file (see col. 7, lines 14-15).

11. In the claims 8, 30, Lazaridis et al. discloses receiving an Internet electronic mail message (see col. 8, lines 9-11, figure 1).

12. In the claims 9, 26, 27, 31, Lazaridis et al. discloses the step of executing a command comprises transmitting information to a device driver executing within the

computer (the user's desktop system 10); and the step of transmitting is performed using the device driver (see col. 7, lines 14-15).

13. In the claims 10, 32, Lazaridis et al. discloses receiving, by the device, the communication transmitted from the computer, in response (see col. 13, lines 57-60) to the communication which has been received by the device.

8. In the claims 12, 34, Lazaridis et al. discloses determining that the message is for a device automatically by detecting a characteristic of the email (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

9. In the claims 13, 35, Lazaridis et al. discloses determining that the message is for a device automatically by detecting a code within the message (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables

Art Unit: 2664

a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

10. In the claims 14, 15, 36, 37, Lazaridis et al. discloses determining that the message is for a device automatically by detecting the code which is the subject of the message (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

11. In the claims 16, 38, Lazaridis et al. discloses the determining step is performed in response to a receipt of an incoming electronic mail message (determining a system

for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

12. In the claims 17, 39, Lazaridis et al. discloses the determining step is performed in response to a receipt of an incoming electronic mail message which is detected by monitoring an existence of a file stored at a predetermined location in memory (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain

message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

13. In the claim 45, Lazaridis et al. discloses receiving data from the device, in response to the step of operating the processor; creating an electronic mail message (repackage the user-selected data items in an electronic wrapper prior to push the data items to the mobile device) by computer (the user's desktop system 10) including the data which has been received; and transmitting over the Internet the electronic mail message generated by the computer.

14. In the claim 46, Lazaridis et al. discloses executing, by a device driver of the computer, commands for at least one of controlling and monitoring the device (see col. 7, lines 14-15).

15. In the claim 48, Lazaridis et al. discloses transmitting the communication as a command for processing by the processing of the device (the mobile communication business device) (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain

message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

16. In the claims 18, 40, Lazaridis et al. discloses determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11); comprising: Determining whether the message which has been received is for a device (a mobile data communication device) associated with the computer by detecting a characteristic of the e-mail, the device being a business office device (a mobile data communication device) including a processor; transmitting a communication from the computer (user's desktop system 10) to the device (a mobile data communication device), in response to the step of determining the message is for the device (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to

continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11); operating the processor of the device (a mobile data communication device) in response to the communication (once the message (A or B) is received by the mobile device 24), the outer envelope B is removed and the original message A is placed in the secondary memory store within the mobile device 24. By repacking and removing the outer envelope in this manner, the present invention causes the mobile computer 24 to appear to be at the same physical location as the host system 10, thus creating a transparent system).

17. In the claims 19, 41, Lazaridis et al. discloses transmitting the information from the device driver to a message application program interface (MAPI) (see col. 7, lines 39-40) of the computer; and processing information by the MAPI, wherein the step of transmitting the electronic mail message comprises transmitting the electronic message corresponding to the information which has been processed by the MAPI (see col. 7, lines 31-45).

18. In the claims 20, 42, Lazaridis et al. discloses the computer is a message transfer agent, the step of transmitting information from the device transmits the

information from the device directly to the computer which is the message transfer agent, and the step of transmitting the electronic mail message transmits the electronic mail message using a TCP connection from the computer which is a message transfer agent (see col. 8, lines 32-55).

19. In the claims 21, 43, Lazaridis et al. creating a file corresponding to the information; and writing the file to a mail spool directory of the computer; and wherein the step of transmitting the electronic mail message comprising transmitting the electronic mail message corresponding to the information using the file stored in the mail spool directory (see col. 7, lines 35-37).

20. In the claims 22, 44, Lazaridis et al. creating and writing comprising creating a plurality of files and writing the plurality of files in the mail spool directory; and transmitting the electronic mail message using each of the plurality of files stored in the mail spool directory (see col. 7, lines 31-40).

14. In the claim 23, Lazaridis et al. discloses determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent

from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11); comprising: Determining whether the message which has been received is for a device (a mobile data communication device) associated with the computer by detecting a characteristic of the e-mail, the device being a business office device (a mobile data communication device) including a processor; transmitting a communication from the computer (user's desktop system 10) to the device (a mobile data communication device), in response to the step of determining the message is for the device (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11); operating the processor of the device (a mobile data communication device) in response to the communication (once the message (A or B) is received by the mobile device 24), the outer envelope B is removed and the original message A is placed in the secondary memory store within the mobile device 24. By repacking and removing the outer

envelope in this manner, the present invention causes the mobile computer 24 to appear to be at the same physical location as the host system 10, thus creating a transparent system).

15. In the claim 24, Lazaridis et al. discloses determining whether the message which has been received is for the device or whether the message which has been received has been received has a user of the computer as an end recipient (see col. 8, lines 9-11).

16. In the claim 25, Lazaridis et al. discloses for displaying a message to the user indicating the electronic mail message contains information to be forwarded to the device, wherein the means for determining comprises: means for determining, by a user reading the message which has been displayed whether the message which has been received is for the device (see col. 8, lines 9-11).

17. In the claims 45, 50, Lazaridis et al. discloses receiving data from the device, in response to the step of operating the processor; creating an electronic mail message by the computer including the data which has been received; and transmitting over the Internet the electronic mail message generated by the computer (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If

activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

18. In the claims 46, 51, Lazaridis et al. discloses executing, by a device driver of the computer, commands for at least one of controlling and monitoring the device (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11).

19. In the claim 48, Lazaridis et al. discloses transmitting the communication as a command for processing by the processor of the device (determining a system for pushing information from a host system (a computer) to a mobile data communication device (a business device) upon sensing a triggering event is disclosed (see abstract). A redirector program operating at the host system (a computer) enables a user to

continuously redirect certain user's mobile data communication device upon detecting the one or more user-defined triggering events has occurred (see abstract); A list of message characteristics that determine whether a message is to be redirected. If activated, the preferred list mode causes the redirector program 12 to operate like a filter, only redirecting certain user data items based on whether the data item was sent from a sender on the preferred list or has certain message characteristics that if present will trigger or suppress redirection of the message (see col. 8, lines 9-11)).

Claim Rejections - 35 USC § 103

20. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

21. Claims 11, 33, 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lazaridis et al. (U.S. Patent No. 6,219,694 B1) in view of Kawabara (U.S. Patent No. 6,065,136).

In the claims 11, 33, Lazaridis et al. discloses the limitations of claim 10 above. However, Lazaridis et al. is silent to disclosing performing a mechanical action by the device, in response to the communication which has been received by the device.

Kuwabara discloses the main part 11 (the device) may include mechanical and electrical component necessary, for example, for carrying out an analysis of special

kind, adapted to be driven on the basis of control signal received from the computer part C1 through an input/output interface IF 12.

Given the teaching of Kuwabara, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Lazaridis to perform a mechanical action by the device in order to carry out remote diagnose of troubles in business communication devices.

22. Claims 47, 49, 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lazaridis et al. (U.S. Patent No. 6,219,694) in view of Miyachi (U.S. Patent No. 6,108,492).

In the claims 47, 49, 53, Lazaridis discloses the limitations of claim 1 above.

However, Lazaridis et al. is silent to disclosing the business office device at least one of generates an image on a recording medium and scans an image on a recording medium

Miyachi discloses wherein the business office device at least one of generates an image on a recording medium and scans an image on a recording medium (see col.2, lines 27-35).

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Lazaridis with the teaching of Miyachi to provide the business office device at least one of generates an image on a recording medium and scans an image on a recording medium in order to carry out remote diagnose of troubles in business communication devices.

Conclusion

23. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong Ho whose telephone number is (703)306-4529. The examiner can normally be reached on Monday-Friday from 9am to 3pm.

24. Any inquiry of a general nature or relating to the status of this application or proceeding should be direct to the group receptionist whose telephone number is (703) 305-3900.

CH

06/25/04



WELLINGTON CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600